

1/9/1

DIALOG(R)File 351:Derwent WPI

(c) 2003 Thomson Derwent. All rts. reserv.

009660174 **Image available**

WPI Acc No: 1993-353725/199345

XRAM Acc No: C93-156859

XRPX Acc No: N93-272857

Disposable diaper for use as infant-type diaper or pants - has bond lines

for holding front and back together and cutting lines allowing front body

to be torn off

Patent Assignee: UNI-CHARM KK (UNIC-N); UNI CHARM KK (UNIC-N)

Inventor: IGAUE T; INOUE K; KIDO T; KOHJI I; TAKAMITSU I; TSUTOMU K; IGUAE

T

Number of Countries: 010 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2267024	A	19931124	GB 9310409	A	19930520	199345	B
EP 570980	A1	19931124	EP 93108291	A	19930521	199347	
JP 5317356	A	19931203	JP 92130935	A	19920522	199402	
AU 9338590	A	19931125	AU 9338590	A	19930514	199403	
CA 2096672	A	19931123	CA 2096672	A	19930520	199407	
GB 2267024	B	19960424	GB 9310409	A	19930520	199620	
AU 667899	B	19960418	AU 9338590	A	19930514	199623	
EP 570980	B1	19970730	EP 93108291	A	19930521	199735	
DE 59306993	G	19970904	DE 506993	A	19930521	199741	
			EP 93108291	A	19930521		
ES 2106227	T3	19971101	EP 93108291	A	19930521	199750	
CA 2096672	C	19971111	CA 2096672	A	19930520	199806	
JP 3096152	B2	20001010	JP 92130935	A	19920522	200052	

Priority Applications (No Type Date): JP 92130935 A 19920522

Cited Patents: GB 2244422; US 4743239; US 5074854; WO 8807337

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2267024	A		19	A61F-013/66	
EP 570980	A1	G	10	A61F-013/15	
Designated States (Regional): DE ES FR IT NL SE					
JP 5317356	A		5	A61F-013/15	
AU 9338590	A			A61F-013/56	
CA 2096672	A			A61F-013/56	
GB 2267024	B			A61F-013/66	
AU 667899	B			A61F-013/56	Previous Publ. patent AU 9338590
EP 570980	B1	G	9	A61F-013/15	
Designated States (Regional): DE ES FR IT NL SE					
DE 59306993	G			A61F-013/15	Based on patent EP 570980
ES 2106227	T3			A61F-013/15	Based on patent EP 570980
CA 2096672	C			A61F-013/56	
JP 3096152	B2		5	A61F-013/496	Previous Publ. patent JP 5317356

Abstract (Basic): GB 2267024 A

The disposable diaper has front and rear bodies which are fastened

about the wearer with bond lines or fastening flaps. The flaps bond to the front body on the waste lines. Cutting lines are provided inside and adj. the bond lines so that the front body may be torn off. Each bond line has a resistance of 1000 g/inch or more to sepn. of bodies.

ADVANTAGE - Used as pants or infants type diaper.

Dwg.1/8

Abstract (Equivalent): EP 570980 B

A disposable nappy, with front (1) and rear (2) parts running into each other in the longitudinal direction and two fixing flaps (6) extending out from the side sections (2, 3) laterally opposite one another of the hip region of the front (1) or rear (2) part, wherein each of the side sections (3, 4) laterally opposite one another of the front part (1) are disposed exactly on those of the rear part (2); the fixing flaps (6) carry attachments points (5) on the inner surfaces of their respective leading ends and the respective base ends are applied to the mutually laterally opposite side sections (3) of the hip region of the front part (1); and with connecting lines (8) along which the mutually, laterally opposite side sections (3, 4) of the hip region of the front part (1) and rear part (2) and the base ends of the respective fixing flaps (6) are joined to one another; characterised in that the connecting lines (8) extend from the leg opening up to the hip opening, each of the connecting lines (8) has a resistance to separation of 1000 g/25.4 mm (inch) or more occurring between the front (1) and the rear (2) parts, and parting lines (9a, 9b) are provided over their whole length in the vicinity of the connecting lines, so that the front part (1) can be torn away from the rear part (2) along these parting lines (9a, 9b), and the parting lines (9a, 9b) are overlapped by the fixing flaps (6) over their whole length.

Dwg.1/8

Abstract (Equivalent): GB 2267024 B

A disposable diaper generally comprising longitudinally continuous front and rear bodies and a pair of fastening flaps extending from laterally opposite side portions of a waist zone of the front or rear body. The longitudinally continuous front and rear bodies are folded so that laterally opposite side portions of the front body are accurately

laid upon those of the rear body. The fastening flaps have fastening spots on respective surfaces which face towards the front body when laid there-over and which are adjacent respective distal ends of the flaps and respective base ends laid upon the laterally opposite side portions of the waist zone of the front body. At each side of the diaper a side portion of the waist zone of the front body is bonded to a side portion of the waist zone of the rear body and one of the base end of a respective fastening flap along a bond line. Cutting lines are provided laterally inwardly and adjacent the respective bond lines so that the front body may be torn off along these cutting lines from the rear body, and each of the bond lines has a resistance of 1000 g/inch or higher to separation occurring between the front and rear bodies.

(Dwg.1/2)

Title Terms: DISPOSABLE; DIAPER; INFANT; TYPE; DIAPER; PANTS; BOND; LINE;

HOLD; FRONT; BACK; CUT; LINE; ALLOW; FRONT; BODY; TORN

Derwent Class: D22; F07; P32

International Patent Class (Main): A61F-013/15; A61F-013/496; A61F-013/56;

A61F-013/66

International Patent Class (Additional): A61F-005/44; A61F-013/49;

A61F-013/58

File Segment: CPI; EngPI

Manual Codes (CPI/A-N): D09-C03; D09-C04; F04-C01

?